U.S. ENVIRONMENTAL PROTECTION AGENCY REGION I



RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) DATA INPUT FORMS FOR SUMMARY MODEL

Facility Name: F. ber Moltetic Is	Incorporated
EPA 10#: <u>MEG 0482 688</u> 6	10
Address: 5 Monin Street	Biddefield Industrial Ferk
<u>Bodde Good, Noine</u>	
Facility Contact: David Loper	Title: Operation Madages Phone: (207) 282457//

Chrindary reseas, the data recusored are the same or shallar to the data used in the Comprehensive Sovironmental fresponse, Company from and Mability Aut (CD) (CDA) Preiminors if seasons Mothod corrections of the exercisions with the instructions with the first processor.

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Analyst Name: Devid P. Brewilet	Title: CIAL ENGINEER
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Organization: TRCC	
Phone: (508) 970-5600	Date: 70/4/0,19772
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RCRA RECORDS CENTER
FACILITY FILER MATERIALS in
I.D. NOME DO48268890
FILE LOC. R.S
OTHER

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION I J.F. KENNEDY FEDERAL BUILDING, BOSTON, MA 02203-2211

MEMORANDUM

DATE: November 3, 1992

SUBJ: Final NCAPS Input Forms for Fiber Materials of Biddeford, ME

FROM: Richard Piligian

TO: Ernest Waterman

The following are comments on the final NCAPS portion of the PA+Report.

- 1) On worksheet #1, both units #1 and #3 have no condition of containment for the ground water route. Unit #7 should have a condition of containment of "poor" rather than "good" since there were releases from this unit (GW route sheet, first page).
- 2) On worksheet #2, Unit #5 has furfuryl checked off as the unit contents instead of argon.
- 3) On the ground water route score sheet, second page, containment is marked "fair" when it should be "poor" per worksheet #1.
- 4) On the surface water route score sheet, third page, containment is marked "fair" when it should be "poor" per worksheet #1.
- 5) On the air route score sheet, second page, containment is marked "very good" when it should be "good" per worksheet #1.

INSTRUCTIONS

The Data Input Forms for the Summary Model have been developed to aid in the collection of specific data during assessment of RCRA regulated facilities. The data will be used to better meet national RCRA program reporting needs developed for treatment and storage facilities but may also be applied to disposal facilities.

The following pages are organized into four migration pathways, including Groundwater, Surface Water, Air, and On-Site. Each pathway has instructions on the left-hand side, and data sheets on the right. In addition to filling in the appropriate blanks and/or checking the appropriate boxes on the data sheets, please provide an indication of your confidence in those data by checking the appropriate box in the right margin, based on the following scale:

Estimated The information known about the facility only allows

an estimated answer (please comment to indicate

source and rationale for estimate).

Confirmed Information was found in the referenced document to

support the answer, or a site visit confirmed the

information.

Check the appropriate box as best as you can. This will provide a future analyst an indication of the data quality in order to determine if additional study is required. However, these data are being used to derive numerical scores, so be as precise as possible, and make use of the spaces provided for any comments.

Comments to support data are needed and should be added on the data and comment sheets. On the instruction sheets, for example where potential "sources" are indicated, simply circle the source(s) that provided the information (see Appendix C for a description of suggested sources). In all cases, please provide the name and date of the document or the number of the reference on the comment line provided so that the source can be located in the future, if necessary. A blank has been provided to list actual references reviewed. Refer to Appendix A for waste characteristic information for specific chemicals, Appendix B for net precipitation, and Appendix D for 1-year 24-hour rainfall data for New England States.

In many cases, the data requested are the same or similar to the data used in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Preliminary Assessment Method scoresheets. In these cases, an asterisk (*) has been placed in the instructions with the item number to assist the analyst in the event both sets of forms are being completed at the same time.

Worksheets numbered 1 - 5 have been provided to aid the analyst in reviewing and evaluating the site (see forms and Appendix E). Use Worksheets numbered 1 and 2 to identify each hazardous waste management unit, its condition of containment, and its associated chemicals of concern. Use Worksheets numbered 3, 4, and 5 to determine the site's most toxic and persistent chemical for each route.



REFERENCES

Please provide the name and date (and pages, if appropriate) of each document used to complete this booklet.

	Reference I	
1	TRCG, onsite reconnaissence wonderted June 11, 1982	
	Maine OFP, Administrative Consent A rement December	Buch
3	Maine OFP Admirative consent & rement December	13/19
4 .	U.S. EPA, Hozolous white lesset Application, sept. 19	190
	Flood Insulance Map. FEMA, City of Boldeters, M.	
	Mare AP AN Donnit Liconce 1990	
	1561, National Wollands Inventory, V.S. Dept. ottate	NO T
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WORKSHEET #1 Facility Unit Identification

List each specific unit at the site, its size, and condition of containment. Use this worksheet to identify the site's specific units and to select the worst containment level for each unit and for each pathway. Within the selected condition of containment, assign GW for the groundwater route, SW for the surface water route, AR for the air route, and OS for the on-site route. The worst conditions will be entered on the data sheets for each route.

	Condition of Containment				nent		
Area or Unit #	Area or Unit Name & Description	Size	Very Good	Good	Fair	Poor	Ref #
1	#1 Hazardays Materials Stage	600 H ²	05		٠.		
2	Building #3	20,000 ff		AR		563.	1
3	# Z Mazardons Materials A	300 ft²		05			1
4	Work And #Z			82 05			(
5	Argun Storage Area	15,000 94.		AR			(.
6	Flex-Frem Area	·		05			(
7	underground Storege RAKS	1, ax to		GW			(
8	and the second s	gradient en de Service	gam st.a	ag minut sopo	religioù e esteneta - le	radinal radio (
9	The state of the s	en geografien et um des obje	- substitutions	S. Carrier Service Service		a a a a a a a a a a a a a a a a a a a	4
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11	and the contract of the contra	o communicações		e e je pe demonstif			
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13					. grener		
14	and the state of t			*		12 page 12 12 12 12 12 12 12 12 12 12 12 12 12	
15				and a second			



☐ check here if additional sheets are attached

WORKSHEET #2 Unit Contents

Use this worksheet to check off the specific chemicals found at each unit. Refer to areas or units by number based on Worksheet #1. If specific chemicals have not been identified, use chemical groups.

Chemical Name or Waste Type		Area or Unit #													
·	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Sulferic ocid	X		X												
X-ray fraces milture	X														
maste scubbel and trap 184 due	X	,	Χ	X								_		_	
ohenile asia	X		X	X											
corpor otch	X		X	X		X									
Coal tar nitch	X		X	X							_		ļ		
furfival	X		X								<u> </u>				
Conton ptch Coaltar ptch Furfival PCB especitors	X	X	·				_		_	ŀ		$oldsymbol{ol}}}}}}}}}}}}}}}}}}$			
Ockite	X		X					_		_		L		_	
a cutone	X		X												L
nitragen	X		X		Ŀ				_		Ļ	<u> </u>	<u> </u>		
n.trite		X	X				<u> .</u>			_	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	$oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}$			$oldsymbol{ol}}}}}}}}}}}}}}}}}}$
malubleaum		X			<u> </u>		_				$oldsymbol{ol}}}}}}}}}}}}}}}}}}}}$	_	_		1_
toluene	X		X	X		X	_				L				
S. Fund	N		X	<u> </u>	X						_	$oldsymbol{\perp}$	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	$oldsymbol{\perp}$	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$
toluche furfuryl Arron Sludge	Ĺ	ŀ	Ĺ	}	Ĺ					_					$oldsymbol{ol}}}}}}}}}}}}}}}}}}$
Sludge		L						丄				<u> </u>		L	上
Olly Wasta							X		<u> .</u>	_			_		↓_
Solvents	K	:	N	x			_	<u> </u>			上	1.			
Pesticidas				<u> </u>		_		_		_		1_	$oldsymbol{\perp}$	\perp	\perp
Other Organic Chemicals									_	<u> </u>	_	1_	<u> </u>	<u> </u>	$oldsymbol{\perp}$
inorganic Chemicals								1_	_	<u> .</u>	\perp	\perp	$oldsymbol{\perp}$	$oldsymbol{\perp}$	
Acids								\perp	$oldsymbol{\perp}$	$oldsymbol{\perp}$	1	\perp	: _	1	1
Bases											_				
Heavy Metals															

GROUNDWATER ROUTE Instructions & Sources First Page

A. Observed Release

*1. Is There an Observed Release?

Yes, if there is documented groundwater contamination above background levels or above the drinking water maximum contaminant level (MCL); or No, if there is no documentation or indication of a release; Possible, if groundwater quality data or the site visit lead you to believe a release to the groundwater may have taken place (e.g., unlined lagoon, spill residue on ground, underground storage tank with no groundwater monitoring system, or subsurface/surface soil contamination). Documentation may include analytical evidence, or a report by a regulatory agency or by a facility employee stating that a release has occurred.

B. Route	Comment and other source (date):
•1.	Depth to Aquifer
•	Enter the depth from ground surface to the aquifer beneath the site (in feet).
	Sources (circle): Monitoring Reports; Inspection Reports; Part B. Comment and other source (date):
2.	Net Precipitation
Section 1997	Subtract mean annual lake evaporation from the normal annual total precipitation in order to obtain the average net precipitation for the area.
	Sources (circle): See Appendix B. Comment and other source (date):
3.	Physical State
	Evaluate the physical state of the waste most likely to impact the groundwater in the event of a release. Consider the volume, condition and content and select the least stable physical state of the wastes on site:
	stable solid unstable solid powder, ash liquid, gas, sludge
inghamiga mendi nghi etc.	Sources (circle): Site Visit; Inspection Reports; Part A. Comment and other source (date):

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GROUNDWATER ROUTE Data & Comments First Page

Α	Observ	ved Releases	m •	t e d
	1	le there an observed release? (circle one):	M	
	· (Yes No Possible		•
	Comm	ents:		
	Tue	there was no groundwater monitoring of of of per removal.	d	
	and	There was no groundwater monitoring as		
	G PK	rt of ped removal.		
	. /	•		
				•
•	•	7		
	La Hille		•	
3	. <i>'</i> ?			
<u>B.</u>	Route	Characteristics		•
4	1.	Depth to Aquifer (feet):	K	
	2.	Net Precipitation (inches):	Ø	
	3.	Physical State (check one):	反	
		Stable Solid (most stable) Unstable Solid Powder, Ash Liquid, Gas, Sludge (least stable)		

Most of the materials used in Fin I processes are solvents and pitches and resins

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GROUNDWATER ROUTE Instructions & Sources Second Page

C. Containment

*1. Containment is a measure of the physical barriers in place to inhibit a waste from entering the groundwater pathway either now or in the past. Do not consider natural barriers (e.g., an underlying clay layer) when evaluating containment criteria. If there are multiple SWMUs, select the SWMU with the worst containment level. Interpret the descriptions in site reports or similar documents, using the following criteria as guidelines:

Unit	Migration/Potential	<u>Score</u>
Sealed Container/Tank	Sound Secondary Containment	Very Good
Sealed Container/Tank	Unsound Secondary Containment	Good
Leaky Container/Tank	Sound Secondary Containment	Good
Underground Storage Tank	Tank Integrity Unknown	Good
Sealed Container/Tank	No Secondary Containment	Fair
Leaky Container/Tank	Unsound Secondary Containment	Fair ·
Leaky Container/Tank	No Secondary Containment	Poor
Land-based Unit		Poor

Unit scored (include description and dates in use); use Worksheet #1:

Vait# L closed (ocped cooling touch located near building #3

1975 / prograf

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GROUNDWATER ROUTE Data & Comments Second Page

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C. Containment (check one):

☐ Very Good ☐ Good ☑ Fair

☐ Poor

Comments:

Phenol contaminated weter leaked from process
tanks onto the floor in Bulding 3. Funt
did not hold a wiste Discherge Coenge

and in December 1989 The northernmost
cooling tower had a pipe that burst

spilling Thorogered (a biocide) tracked water anto
the ground near Building 3.

GROUNDWATER ROUTE Instructions & Sources Third Page

Waste Characteristics

2.

Chemical Name and/or RCRA Waste Code Number 1.

> Enter the one chemical or waste code of most concern (for the groundwater route) as defined by the chemical with the highest Sax toxicity rating, as found in Appendix A. Use Worksheet #3 to determine toxicity/persistence for each chemical of concern for the groundwater route (included in Worksheet #2). Do not consider concentrations of contaminants.

Sources (circle): For determining contaminants of concern: Site Visit, Groundwate Analytical Data. For determining most toxic compound: See Appendix A. Comment and other source (date):
Toxicity/Persistence
Value for the chemical or waste of concern. This contaminant should be at a SWMI that has a containment score less than "VERY GOOD". Refer to Worksheet #3.
Sources (circle): See Appendix A. Comment and other source (date):

WORKSHEET #3 Chemical Toxicity/Persistence Values for Groundwater and Surface Water Routes

Identify and list each chemical at the site which has the potential to migrate to the groundwater or surface water routes. List the RCRA waste code and CAS number, if known. Obtain toxicity/ persistence values from Appendix A for each chemical. Use the worksheet to select the chemical with the highest toxicity/persistence value (0-18) and enter its name and value in the Waste Characteristics section for the groundwater and surface water routes. Note in comments if toxicity/persistence information was not available.

CAS#	Chemical Name and/or Waste Code	toxicity/persistence 0-18	GW or SW	
	Foo 3	6	GW	
100	F003	-9	GW	
	p001	<i>G</i> —	aw	
The second second	ADOOL I I For the A	4	GW :	
ALC MAN	Taro	8	'av	
Carlo Salaka				

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										m • d	t •
)	Wast	e Chara	icteristic	<u>:\$</u>					•	•	a
	1.	Chen	nical Na	ime and	or RCR	A Waste	Code I	Number:		B	
			< T	006				· · · · · · · · · · · · · · · · · · ·			
	2.	Toxi	city/Per	sistence	Value (circle on	ie):			Q	
		0	3	6	9	12	15	18		•	
	Com	ments:									

GROUNDWATER ROUTE Instructions & Sources Fourth Page

*3. Waste Quantity

Report wastes for units only if containment is other than "VERY GOOD." If Containment is "VERY GOOD" for all units, waste quantity equals zero.

If quantity is known, convert data to a common unit: assume 1 ton = 1 cubic yard = 4 drums. For the purpose of converting bulk storage, assume 1 drum = 50 gallons. Enter waste quantity in cubic yards, tons or drums.

If quantity is unknown, estimate waste quantity using the following criteria:

< 10 yd³ (or < 40 drums) small 100 - 1,000 yd³ (or 400 - 4,000 drums) large > 1,000 yd³ (or > 4,000 drums) large storage or disposal areas

If the site has multiple SWMUs, combine all waste quantities for SWMUs capable of migrating to groundwater (containment scores less than "VERY GOOD"). Use Worksheet #1 to assist in combining waste quantities.

Sources (circle): Part A) Tank Capacities; Permitted Drum Storage Capacity; Inspection Reports; 3007 Response; Annual Reports; Part B.

Comment and other source (date):

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3.	Quantity Known (circle one)?
	Yes No
	If Yes, enter actual amount:
	cubic yards of tons drums
	If No, check one:
	☐ is amount likely to be small?

☐ Are large storage or disposal areas present?

☐ Is amount likely to be large?

Comments:

According to Histordous weste Permit Application

FINT reports 200,000 permits Ct DOOG

On the estimated cannot guentify of

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GROUNDWATER ROUTE Instructions & Sources Fifth Page

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*1 Groundwater Use

Options are given in order from the most critical (Drinking Water) to the least critical (Not Impacted). Check the most critical groundwater use that occurs within 3 miles of the site. "Drinking Water" indicates that the groundwater was previously used, is presently used, or is likely to be used in the future for drinking water. If drinking water use is not documented, check Possible Drinking Water, unless specific information refutes this possibility (for example, industrial use of unusable aquifer due to low yield).

If you can verify that none of these uses apply, then check:

Quality Impacted, if there is an observed release. Quality Not Impacted, if there is no observed release.

Source (circle): Monitoring Report, GIS, Local Water Department.

Comment and other source (date):

Ref # (

*2. Distance to Intake

Distance (in miles) to the nearest drinking water well within 3 miles of the facility. If unknown, use distance between hazardous substance and nearest residence where groundwater may be used for drinking water. If the use of the groundwater is unknown ("Possible Drinking Water"), "Quality Impacted," or "Quality Not Impacted," assign "2 to 3 miles" for the distance. If the groundwater flow direction is known, do not consider upgradient wells as receptors.

Source (circle): GIS; USGS Topographic Map or Site Maps Site Visit; Part A; State Atlas.

Comment and other source (date):

Ē	Targets	GROUNDWATER ROUTE Data & Comments Fifth Page	C on f i r m • d	t i m a t e d
	1.	Groundwater Use (check only one):	区	
		☑ Drinking Water ☐ Possible Drinking Water ☐ Agriculture or Industrial	·	•
	-	☐ Quality Impacted ☐ Quality Not Impacted		
	2.	Distance to intake (to the nearest ½ mile):	Ø	
,	Comm	nents: A well is located on a residential	rep	erty

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SURFACE WATER ROUTE Instructions & Sources First Page

The surface water pathway is assessed to determine whether contaminated runoff has reached surface water or if site characteristics make a release to surface water likely.

Α	Obser	ved Release
	*1.	Yes, if there is a evidence of a direct discharge of contaminants to surface water; No, otherwise. A direct dishcarge can include such events as spills, runoff from contaminated soils, or discharge of contaminated groundwater. Documentation may include analytical evidence, a report by a regulatory agency or by a facility employee stating that a release has occurred.
		Sources (circle): Site Visit; Monitoring Reports; 3007 Response. Comment and other source (date):
<u>B. </u>	Likelil	nood of Release
	1a.	Permitted Outfall
		Yes, if there is a permitted outfall; No, if there is not.
		Sources (circle): Department of Environmental Protection; EPA Files Comment and other source (date):
	1b.	Violations
	٠	Yes, if there have been permit violations; No, if there have not.
	•	Sources (circle): Department of Environmental Protection; EPA Files Comment and other source (date): Ref # 3
	•2.	Facility Location
		Select flood prone area, 100-year floodplain, or other. If floodplain information is unavailable, check "Other."
	•	Sources (circle): Flood Insurance Study Maps Comment and other source (date): 4 5 1984



SURFACE WATER ROUTE Data & Comments First Page

C E e s n t f i i m r a m t e e d d

A. Is there an observed release? (circle one)

Yes

No

Comments:

A discharge of phenoil. Continuented weter lake Thom pracess tanks onto the floor in Building #3.

В.	Likelihood of Releas	8
•		

1a.	Is there a permitted outfall? (circle one)		□ □
	Yes No	San	• • • • • • • • • • • • • • • • • • •
1b.	if so, have there been permi (circle one)	it violations?	Ø C
	Yes No	and the state of t	
2.	Facility Location (check one):	80
	☐ Flood prone area☐ 100-year flood plain☐ Other		
Comm	nents:		
	the site is an area wit	located in Zone C which	n is I floating

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	Route	<u>Characteristics</u>
	1.	24-hour Rainfall
		Enter the 1-year, 24-hour rainfall. Refer to contour maps in Appendix D.
		Sources (circle): See Appendix B. Comment and other source (date):
	•2.	Distance to Surface Water
		Enter distance in miles. If surface water is discharged to a stream or river through a ditch, then, if the ditch always has water in it, use the distance to the ditch; if water in the ditch is intermittent, use the distance to the stream or river.
		Sources (circle): USGS: Site Visit; GIS. Comment and other source (date):
	3.	Physical State
	, and ,	Evaluate the physical state of the waste most likely to impact surface water in the event of a release. If there are multiple SWMUs, select the least stable physical state of the wastes on site:
		stable solid unstable solid powder ash
1	C	. liquid, gas, sludge
		Sources (circle): 3007 Response; Site Visit. Ref # 3 Comment and other source (date):

SURFACE WATER ROUTE Data & Comments Second Page

			r m	t
<u>c.</u>	Rout	te Characteristics	e d	d
	1.	24-hour Rainfall (inches): 7,5	Ø	
-	2.	Distance to Surface Water (miles): 0.125	а	X
	3.	Physical State (check one):	戶	
		☐ Stable Solid (most stable) ☐ Unstable Solid ☐ Powder, Ash ☑ Liquid, Gas, Sludge (least stable)	·	
		M Liquid, Gas. Sludge (least stable)		

Comments:

A discharge of phenol confaminated water lack from pricess teaks and the floor in Bistoling 3, All floor drains were tred a wife the surface drainage petwork which dumps in to an unnamed broot.

SURFACE WATER ROUTE Instructions & Sources Third Page

*4. Containment

Containment is a measure of the physical barriers in place to inhibit a waste from entering the surface water pathway. If there are multiple SWMUs, select the SWMU with the worst containment level.

Use the following criteria as guidelines (e.g., consider a lined lagoon with unbreached berms as a "sealed container"):

<u>Unit</u>	Containment/Migration Potential	Score
Sealed Container/Tank	Sound Secondary Containment	Very Good
Sealed Container/Tank	Unsound Secondary Containment	Good
Leaky Container/Tank	Sound Secondary Containment	Good
Underground Storage Tank	Tank Integrity Unknown	Good
	No Secondary Containment	Fair
Sealed Container/Tank	Unsound Secondary Containment	Fair
Leaky Container/Tank		
Leaky Container/Tank	No Secondary Containment	Poor
Land-based Unit	•	Poor
Contaminated Groundwater	Discharge to Surface Water	Poor
		Poor
Contaminated Surface Soil	Runoff to Surface Water Likely	1 001

Unit scored (include description and dates in use); use Worksheet #1:

Sources (circle): Inspection Reports; 3007	Response; Site Visit.
Comment and other source (date):	164 43

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- 4. Containment (check one):
 - □ Very Good
 - ☐ Good
 - ☑ Fair
 - ☐ Poor

Comments:

The closed looped cooling tower at The time of downented discharges need re secondary containment.

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D. Waste Characteristics

2.

1. Chemical Name and/or RCRA Waste Code Number

Enter the one chemical or waste code of most concern (for the surface water route) as defined by the chemical with the highest Sax toxicity rating, as found in Appendix A. Use Worksheet #3 (on page 10 in groundwater section) to determine toxicity/persistence for each chemical of concern for the surface water route (included in Worksheet #2).

Sources (circle): For determining contaminants of concern: Site Visit, Surface Water/Sediment Analytical Data. For determining most toxic compound: See Appendix A. Comment and other source (date):
Comment and other source (date): Rof # 4 1980
Toxicity/Persistence
Value for the chemical or waste of concern. Refer to Worksheet #3.
Sources (circle): See Appendix A
Comment and other source (date):

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) .	Wast	te Char	acteristic	cs	-				m • d	t d
	1.	Che	mical Na		or RCR		e Code l	Number:	0	. 🗆
	2.		Toxicity/Persistence Value (circle one): 0 3 6 9 12 15 (8)		Ø					
	Com	0 ments:	3	6	9	12	. 15	18		

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*3. Waste Quantity

Report units only if containment is other than "Very Good." If Containment is "VERY GOOD" for all units, waste quantity equals zero.

if quantity is known, convert data to a common unit, assume 1 ton = 1 cubic yard = 4 drums. For the purpose of converting bulk storage, assume 1 drum = 50 gallons. Enter waste quantity in cubic yards, tons or drums.

If quantity is unknown, estimate waste quantity using the following criteria:

< 10 yd³ (or < 40 drums) small large 100 - 1,000 yd³ (or 400 - 4,000 drums) large storage or disposal areas

If the site has multiple SWMUs, use combined waste quantities. Use Worksheet #1 to assist in combining waste quantities. Generally, amount would be small for only contaminated groundwater discharging to surface water or if there is just a likelihood that contaminated soil is likely to reach surface water through surface runoff.

Sources (circle): Part At Inspection	Reports; 3007	Response; Annual	Reports; Part B.
Comment and other source (date):	Rot	#4	

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3.	Waste Quantity Known? (circle one)	m t • • d d ⊠ □
	(Yes) No	
	If Yes, enter amount:	•
	cubic yards or tons drums	·
	If No, check one:	
	☐ Is amount likely to be small? ☐ Is amount likely to be large? ☐ Are large storage or disposal areas present?	
	ments:	
	According to Hazardows wast	Permit
A	According to Hazerdous waste Application FMI reports 20 peoples of Deob Gs to want to of acste.	ce, evo
9	wantte of asst.	
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E.	Targets

*1. Type of Surface Water Use

Options are given in order from most critical (Drinking Water) to least critical. Check the most critical that applies. Check "Drinking Water" if surface water was previously used, is presently used, or is likely to be used in the future as drinking water. If drinking water use is not documented, check "Possible Drinking Water", unless specific information refutes this possibility.

If there is no information regarding the use of a river or stream, assume recreational use. Often, close recreational use is more likely to have an impact than a drinking water intake. If you can verify that none of the uses apply, then check:

Quality Impacted, if there is an observed release. Quality Not Impacted, if there is no observed release.

Further distinguish depending on whether the distance to surface water is < 3 miles.

Sources (circle): GIŞ, Site Visit, Docal Water Department.	
Comment and other source (date):	-

•2 Distance to Intake or Contact Point

Distance from site to the point of surface water use (drinking water intake, recreation area, etc.). If there is no information on the use of a surface water body receiving a discharge from the facility, the distance to the contact point should be the distance from the facility to the nearest point of the surface water body. If discharge is through a ditch, use the distance to the stream, river, or water body, not the distance to the ditch.

Sources (circle): Hydrographic Atla	s; GIS; Site	Visit; Town	Records.	. 1
Comment and other source (date):	R	24 47	Ket	

*3. Distance to Sensitive Environment

Enter the distance from the site to a sensitive environment along the surface water route. Sensitive environments include freshwater wetlands (greater than 2 acres), marshes, swamps, parks (national or state), and critical habitats of state and federal proposed and listed endangered species.

Sources (circle): GIS; State Depart	nent of Fisheries &	Wildlife USGS
Comment and other source (date):		



SURFACE WATER ROUTE Data & Comments Sixth Page

<u>E.</u>	Target	<u>·</u> <u>s</u>	m e d	t e d
	1.	Type of Surface Water Use (check one):	X	
		☐ Drinking Water ☐ Possible Drinking Water ☐ Recreation ☐ Agricultural or Industrial ☐ Quality Impacted ☐ Quality not Impacted (but within 3 miles) ☐ No Surface Water Bodies (within 3 miles)	•.	
	2.	Distance to the Intake or Contact Point (miles):	p	
•	3.	Distance to Sensitive Environment (miles):	′ 🖾	. 🏻
	Comm	nents:		

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For the air pathway, site charateristics are considered to address the potential for release even if no release has been documented. But the air pathway differs somewhat from the groundwater and surface water routes in assessing containment. In the case of air releases, *current* conditions must be used in completing these forms to assess the likelihood of releases.

A. Observed Release

1. Is there an observed, unpermitted, ongoing release?

Yes, if there is a documented, unpermitted, ongoing release to the air route from a SWMU; or No, if there is not a documented release. Documentation may include analytical evidence, a report by a regulatory agency or by a facility employee stating that a release has occurred, or by indirect evidence. Do not score an observed release based on an isolated explosion or fire, but event should be noted in comments.

Sources (circle): Monitoring Reports: Inspection Reports; Site Visit; 3007 Resp	onse
TRIC Department of Environmental Protection	
Comment and other source (date):	

AIR ROUTE Data & Comments First Page

A. Observed Release

1. Is there an observed, unpermitted, ongoing release? (circle one)

Yes

No

Comments:

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1.	Does the facility have an op	erating air permit?	
	Yes, if the facility has an op	perating permit; or No, if it does not.	
	Sources (circle): EPA; Depa	ertment of Environmental Protection.	
	Comment and other source	(date):	<u> </u>
2.	Have there been any permit	violations or odor complaints by residents?	•
	Yes, if there have been per	mit violations or odor complaints; or No, if t	there have
•	Sources (circle): Departme Comment and other source	nt of Air Quality Control; EPA. (date):	
3.	Can contaminants migrate	into air?	
•	Yes, if contaminant migrati is not possible. See Works, pathway.	on to air is possible; or No, if contaminant in the the second se	migration ncern for t
-	Sources (circle): EPA; Vers Comment and other source	sar document. Ref # 6	
٠.			
· •4.	Containment (circle one):	• !	•
• 4.	Containment (circle one): Containment is a measure	of the physical barriers in place to inhibit Interpret the descriptions in site repowing criteria as guidelines (for CURRENT co	ions or s
• 4.	Containment (circle one): Containment is a measure	of the physical barriers in place to inhibit . Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential	orts or s onditions): <u>Scort</u>
* 4.	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the fo	of the physical barriers in place to inhibit Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential Inside Building	onts or s onditions): <u>Scort</u> Very
* 4.	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the following the closed Container/Tank Land-based Unit	of the physical barriers in place to inhibit Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential Inside Building Covered	onditions): Score Very Very
* 4.	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the following the container/Tank Land-based Unit Storage Tank	of the physical barriers in place to inhibit Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential Inside Building Covered Underground	onditions): Score Very Very Very
◆4. • 4. • · · · · · · · · · · · · · · · · · · ·	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the following the Closed Container/Tank Land-based Unit Storage Tank Closed Container/Tank	c of the physical barriers in place to inhibit of the physical barriers in place to inhibit of the containment of the containme	onditions): Score Very Very Very Good
• 4. •4. • • • • • • • • • • • • • • • • • • •	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the following the container/Tank Land-based Unit Storage Tank Closed Container/Tank Open Container/Tank	of the physical barriers in place to inhibit. Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential Inside Building Covered Underground Open Area Inside Building	Score Score Very Very Very Good Fair
*4.	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the following the container/Tank Land-based Unit Storage Tank Closed Container/Tank Open Container/Tank Open Storage Tank	of the physical barriers in place to inhibit. Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential Inside Building Covered Underground Open Area Inside Building Underground	Scorts or sonditions) Scort Very Very Very Good Fair Fair
4.	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the following the container/Tank Land-based Unit Storage Tank Closed Container/Tank Open Container/Tank Open Storage Tank Open Container/Tank	of the physical barriers in place to inhibit. Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential Inside Building Covered Underground Open Area Inside Building Underground Open Area	Score Very Very Good Fair Foor
**	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the following the container/Tank Land-based Unit Storage Tank Closed Container/Tank Open Container/Tank Open Storage Tank Open Container/Tank Land-based Unit	of the physical barriers in place to inhibit. Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential Inside Building Covered Underground Open Area Inside Building Underground Open Area Open Area Open	Score Score Very Very Good Fair Fair Poor
*4.	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the following the container/Tank Land-based Unit Storage Tank Closed Container/Tank Open Container/Tank Open Storage Tank Open Container/Tank Land-based Unit Contaminated Surface Soi	of the physical barriers in place to inhibit. Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential Inside Building Covered Underground Open Area Inside Building Underground Open Area Open Open	Score Score Very Very Good Fair Fair Poor Poor
•4.	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the following the container/Tank Land-based Unit Storage Tank Closed Container/Tank Open Container/Tank Open Storage Tank Open Container/Tank Land-based Unit Contaminated Surface Soil of there are open drums, owhen scoring the container.	cof the physical barriers in place to inhibite. Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential Inside Building Covered Underground Open Area Inside Building Underground Open Area Open Open Open Open Open Open Open Open	Score Very Very Good Fair Poor Poor
** 4.	Containment (circle one): Containment is a measure entering the air pathway documents, using the following the fo	cof the physical barriers in place to inhibite. Interpret the descriptions in site repowing criteria as guidelines (for CURRENT containment/Migration Potential Inside Building Covered Underground Open Area Inside Building Underground Open Area Open Open Open Open Open Open Open Open	Score Very Very Good Fair Foor Poor Poor

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		AIR ROUTE Data & Comments Second Page	o n f l r	t i m
<u>B.</u>	Likelii	hood of Release	m • d	t o d
	1.	Does the facility have an operating air permit? (circle one)	Ø	
	2.	Yes No Have there been any permit violations or odor complaints by residents?	P	-
		(circle one) Yes No		
	3.	Can contaminants migrate into air? (circle one)	Æ	
		Yes No	TEZL.	
	4.	Containment (circle one): Very Good		

Comments:

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<u>u. </u>	AAGSIC	Citalacter	<u>13 1103</u>

1. Chemical Name and/or RCA Waste Code Number

Enter the one chemical or waste code of most concern (for the air route) as defined by the chemical with the highest Sax toxicity rating, as found in Appendix A. Use Worksheet #4 to determine toxicity for each chemical of concern for the air route (included in Worksheet #2).

Sources (circle): For determining cor Data; Permits. For determining mos Comment and other source (date): _	entaminants of concern: Site Visit, Soil Analytical st toxic compound: See Appendix A
Toxicity	•
Value for the chemical or waste of c	concern. Refer to Worksheet #4.
Sources (circle): See Appendix A. Comment and other source (date):	>

WORKSHEET #4 Chemical Toxicity Values for Air Route

Identify and list each chemical at the site which has the potential to migrate to the air route. List the RCRA waste code and CAS number, if known. Obtain toxicity values from Appendix A for each chemical. Use the worksheet to select the chemical with the highest toxicity value (0-3) and enter its name and value in the Waste Characteristics section for the air route.

	CAS#	Chemical Name and/or Waste Code	toxicity 0-3
İ		Ammoria (NH3)	3
ı		Ammoria (NH3) hydregen cyande	
l		7	
ı			
1	Agranda Agranda Agranda Agranda		

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		AIR ROUTE Data & Comments Third Page	o n f	t i m
<u>c.</u>	Wast	te Characteristics	m . •	t
	1.	Chemical Name and/or RCRA Waste Code Number Gmmonia		₫.
	2.	Toxicity Value (circle one) 0 1 2 3		

Comments:

No. OH solution that meintains 997%.
Collection efficiency on the Naud

AIR ROUTE Instructions & Sources Fourth Page

*3. Waste Quantity

The air route should be completed using current waste quantities and current containment conditions.

Report wastes only if Containment is other than "VERY GOOD." If Containment is "VERY GOOD" for all units, waste quantity equals zero.

If quantity is known, convert data to a common unit, assume 1 ton = 1 cubic yard = 4 drums. For the purpose of converting bulk storage, assume 1 drum = 50 gallons. Enter quantity in cubic yards, tons, or drums.

If quantity is unknown, estimate waste quantity using the following criteria:

$< 10 \text{ yd}^3 \text{ (or } < 40 \text{ drums)}$	small
100 - 1,000 yd ³ (or 400 - 4,000 drums)	large
$> 1.000 \text{ vd}^3 \text{ (or } > 4.000 \text{ drums)}$	large storage or disposal areas

If the site has multiple solid waste management units (SWMUs), use combined waste quantities. Use the amount of volatiles and particulates with containment values less than "VERY GOOD" to determine waste quantity for the air route. If the facility discharges to air, include the amount of waste released in determining waste quantity.

Sources (circle):	Part A; Inspection Repo	nts; 3007	Response,	A (.	
Comment and ot	her source (date):		REF	49	

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3.		Waste	Quantity	Known?	(circle	one)
----	--	-------	----------	--------	---------	------

Yes	No
If YES, ente	er actual amount:
. 0	cubic yards or tons
If No, chec	k one:

Is amount likely to be small?Is amount likely to be large?

☐ Are large storage or disposal areas present?

Comments:

Containment is very good therefore
the actual umount defaults to

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<u>D.</u>	<u>Targets</u>		
	•1.	Population	
		Determine if residences, industries, and agriculture are located within 4 miles of the site. Residence indicates a single person or more. Check most critical item which applies.	
	i	Sources (circle): GIS; Site Visit; Local Planning Department. Comment and other source (date):	
	*2.	Distance to Sensitive Environments?	
		Enter the nearest distance from the site to a sensitive environment in miles. Sensitive environment includes freshwater wetlands (greater than 2 acres), marshes, swamps, parks (national or state), and critical habitats of state and federal proposed and listed endangered species.	
		Sources (circle): GIS; State Department of Fisheries & Wildlife; USGS. Comment and other source (date): Ref # 7	

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<u>D.</u>	Target	is.	r m e d	t e d
	1.	Population (check one only)	Ø	
	2.	☐ Are residences located within 4 miles (most critical)? ☐ Are other industries located within 4 miles? ☐ Are agricultural lands located within 4 miles (least critical)? ☐ Any other situation? Please comment: ☐ Distance to Sensitive Environments (miles)	\B	
	Comn	nents:		
	•			
	والمجاد المعادي			-

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ON-SITE ROUTE Instructions & Sources First Page

The on-site exposure pathway assesses the potential that people or sensitive environments will have direct physical contact with hazardous constituents or contaminated soil.

A. Access to Site	to Site
-------------------	---------

1. Is the site accessible to nearby residents?

Rate the accessibility as follows:

<u>Score</u>

A 24-hour surveillance system or a barrier (fence, etc.) is in place with a means to control entry:

Inaccessible

A less than 24-hour ecurity guard but no barrier; OR a barrier but no separate means to control entry; OR a fence that is partially open:

Limited Access

No barrier and no security guard:

Unlimited Access

Sources (circle): Site Visit) Facility Inquiry. Comment and other source (date):

Observed Soil Contamination

Is there observed soil contamination?

Yes, if there is sampling information showing concentrations of contaminants greater than background; or No, if there is not a documented release to soil. If indirect evidence such as stressed vegetation, indicates a release, estimate Yes and comment. Do not score an observed release if contaminated soil is covered by 2 feet or more of clean soil or is covered by concrete or asphalt.

Sources (circle): Monitoring Reports; Site Visit; 3007 Response Comment and other source (date): _



	ON-SITE ROUTE Data & Comments First Page		o n f i r m	t i m
A. Acc	ess to site	•	đ	d
1.	Rate the accessibility of the site (check one):		E	
	☐ Limited access ☐ Unlimited access			

Observed Soil Contamination

1	Is there observed soil contamination?	(circle one):	· 🗖
1.	is there observed soil containination:	CHCIE OHE.	Z

Comments:

Comments:

There has been a release of Thereguerd tome in confect with soils on site.

ON-SITE ROUTE Instructions & Sources Second Page

C. Containment

1. Containment is a measure of the physical barriers in place to inhibit a waste from entering the on-site pathway either now or in the past. Use the same containment factor selected in the Groundwater Route section:

Unit	Containment/Migration Potential	Score
Sealed Container/Tank	Sound Secondary Containment	Very Good
Sealed Container/Tank	Unsound Secondary Containment	Good
Leaky Container/Tank	Sound Secondary Containment	Good
Underground Storage Tank	Tank Integrity Unknown	Good
Sealed Container/Tank	No Secondary Containment	Fai
Leaky Container/Tank	Unsound Secondary Containment	Fair
		Poor
		Poor
Leaky Container/Tank Land-based Unit	No Secondary Containment	

Unit scored (include description and dates in use); use Worksheet #1:

Sources (circle): Investigation Report	rts; Site Visit; 3907 Response.
Comment and other source (date):	RIL TEI



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Containment:

1. Containment score (check one):

☐ Very Good ☐ Good

☑ Fair

Poor

Comments:

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ON-SITE ROUTE Instructions & Sources Third Page

D. Waste Characterist	ics
-----------------------	-----

1. Chemical Name and/or Waste Code Number

Enter the one chemical or waste code of most concern (for the on-site route) as defined by the chemical with the highest Sax toxicity rating, as found in Appendix A. Use *Worksheet #5* to determine toxicity for each chemical for the on-site route (included in *Worksheet #2*).

	Sources (circle): For determining contaminants of concern: Part A: Site Visit; Soil Analytical Data. For determining most toxic compound: See Appendix A. Comment and other source (date):
2.	Toxicity
	Value for the chemical or waste of concern. Refer to Worksheet #5.
	Sources (circle): See Appendix A.
	Comment and other source (date):

WORKSHEET #5 Chemical Toxicity Value for On-Site Route

Identify and list each chemical at the site which has the potential to migrate to the on-site route. List the RCRA waste code and CAS number, if known. Obtain toxicity values from Appendix A for each chemical. Use the worksheet to select the chemical with the highest toxicity value (0-3) and enter its name and value in the Waste Characteristics section for the on-site route.

CAS#	Chemical Name and/or Waste Code	toxicity 0-3
	nheno!	3
		ं ५ अवर्ड
		(1) (1)
PART I		(Linguis)

-42- check here if additional sheets are attached **DRAFT**CONFIDENTIAL

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		ON-SITE ROUTE Data & Comments Third Page	o n f i r	t i m
			m	t
<u>D.</u>	Wast	te Toxicity	ď	_ d
	1.	Chemical Name and/or RCRA Waste Code Number:		
	2.	Toxicity Value (circle one):	. , 2 C	

Comments:

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<u>E.</u>	Target	<u>.</u>
	•1.	Distance to Residential Areas
		Determine the distance to the nearest residence (in miles).
		Sources (circle): GIS; USGS; GEMS; Local Planning Department; Area Maps. Comment and other source (date):
	*2.	On-Site Sensitive Environments
		Yes, if there is a sensitive environment within facility boundaries or in areas with soil contamination due to facility operations; or No, if there is not a sensitive environment on-site. Sensitive environments include freshwater wetlands (greater than 2 acres), marshes, swamps, parks (national or state), and critical habitats of state and federal proposed and listed endangered species.
		Sources (circle): GIS; State Department of Fisheries & Wildlife; USGS
. •		Comment and other source (date):

ON-SITE ROUTE Data & Comments Fourth Page

E. Targets

- 1. Distance to nearest residential area (miles): <u>ol</u>
- 2. Is there an on-site sensitive environment (circle one)?

Yes



Comments:

-45-